Filed: September 19, 2003

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RESPONSE TO OFFICE ACTION

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the

application:

<u>Listing of Claims:</u>

1. (Currently amended) An electronic power source voltage regulator, comprising:

an input port having a first input end and a second input end;

an output port having a first output end and a second output end, wherein said second output

end is electrically connected to said second input end so as to provide an output voltage;

a switch set electrically connected between said input port and an AC power source;

a capacitor having a first end electrically connected to said first input end and a second end

electrically connected to said first output end;

an inductor having a first end electrically connected to said first input end; and

an electrical energy converter comprising an electrical energy storage device, a first output

terminal, and a second output terminal, wherein said first output terminal is electrically

connected to a second end of said inductor, said second output terminal is electrically connected

to said first output end, and said energy converter transfers an electrical energy of said storage

device into said output voltage to be output so as to stabilize said output voltage when a

significant voltage difference of said AC power source occurs,

wherein said switch set further comprises a first connecting configuration, wherein said first

input and second input ends are directly and electrically connected to said AC power source

when a voltage value of said AC power source is within a pre-determined range; and a second

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connecting configuration, wherein said first and second input ends are directly and electrically

connected to each other when said voltage value of said AC power source is out of said pre-

determined range.

2. (Canceled)

3. (Original) The voltage regulator according to Claim 1, wherein said electrical energy

storage device is a battery.

4. (Original) The voltage regulator according to Claim 1, wherein said electrical energy

converter further comprises an inverter.

5. (Original) The voltage regulator according to Claim 1, wherein said AC power source is a

commercial power source.

6. (Original) The voltage regulator according to Claim 1, wherein said switch set further

comprises:

a first connecting configuration, wherein said first and second input ends are directly and

electrically connected to said AC power source when a frequency variation amount of said AC

power source is within a pre-determined range; and

a second connecting configuration, wherein said first and second input ends are directly and

electrically connected to each other when said frequency variation amount of said AC power

source is out of said pre-determined range.

7. (Currently amended) An electronic power source voltage regulator, comprising:

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an input port having a first input end and a second input end;

an output port having a first output end and a second output end, wherein said second output

end is electrically connected to said second input end so as to provide an output voltage;

a switch set electrically connected between said input port and an AC power source;

a capacitor having a first end electrically connected to said first input end and a second end

electrically connected to said first output end;

an inductor having a first end electrically connected to said first input end; and

an electrical energy converter comprising an electrical energy storage device, a first output

terminal, and a second output terminal, wherein said first output terminal is electrically

connected to a second end of said inductor, said second output terminal is electrically connected

to said first output end, and said energy converter transfers an electrical energy of said storage

device into said output voltage to be output so as to stabilize said output voltage when a

significant voltage difference of said output voltage occurs,

wherein said switch set further comprises a first connecting configuration, wherein said first

input and second input ends are directly and electrically connected to said AC power source

when a voltage value of said AC power source is within a pre-determined range; and a second

connecting configuration, wherein said first and second input ends are directly and electrically

connected to each other when said voltage value of said AC power source is out of said pre-

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determined range.

8. (Canceled)

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9. (Original) The voltage regulator according to Claim 7 wherein said electrical energy

storage device is a battery.

10. (Original) The voltage regulator according to Claim 7, wherein said electrical energy

converter further comprises an inverter.

11. (Original) The voltage regulator according to Claim 7, wherein said AC power source is a

commercial power source.

12. (Original) The voltage regulator according to Claim 7, wherein said switch set further

comprises:

a first connecting configuration, wherein said first and second input ends are directly and

electrically connected to said AC power source when a frequency variation amount of said AC

power source is within a pre-determined range; and

a second connecting configuration, wherein said first and second input ends are directly

and electrically connected to each other when said frequency variation amount of said AC power

source is out of said pre-determined range.

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